

Zetarose Ni-NTA FF6

6 % Beaded agarose resin immobilized with Ni²⁺ charged nitrilotriacetic acid (Ni-NTA).
IMAC affinity resin for His-tagged protein purification.

Product Code	TM-1412
Quality Parameter	Specification:
Nickel ion density	≥ 20 µmol / mL resin
Particle diameter 45 to 160 µm	≥ 80 % in range
Other Product Properties	
Solid phase	Zetarose FlashFlow 6 % highly cross-linked beaded agarose, derivatized with Ni ²⁺ charged nitrilotriacetic acid.
Particle diameter	100 µm. Particle range 45 - 160 µm (≥ 80 %).
Application	Zetarose Ni-NTA FF6 is a 6 % cross-linked beaded agarose resin, derivatized with charged nickel metal ion (Ni ²⁺) nitrilotriacetic acid (NTA) ligand. The solid phase can be used to purify recombinant proteins containing polyhistidine (6xHis) residues via their selective affinity to the chelated nickel. After washing, bound proteins are eluted under native or denaturing conditions with either a low pH buffer or with buffer containing imidazole or histidine.
Velocity properties	Linear velocity ≥ 500 cm/h and operating pressure up to 3 bar.
pH stability	3 – 13. The pH stability of the affinity resin will be ultimately dependent on the pH stability of the ligand bound to the resin.
Chemical stability	Zetarose Ni-NTA FF6 is generally tolerant of all commonly used aqueous solutions for protein purification.
Storage buffer	20 % ethanol
Storage	+2 to +30 °C. DO NOT FREEZE!
Miscellaneous	---
Notice	The use of this product is strictly limited to trained personnel for professional manufacturing, laboratory, or research purposes. Final Fitness-For-Use must be determined by and is the sole responsibility of the end-user.